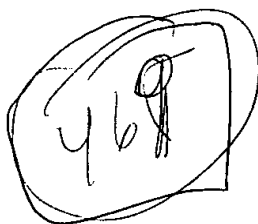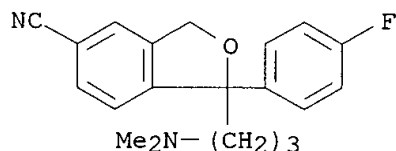```
L4   ANSWER 1 OF 1   REGISTRY   COPYRIGHT 2002 ACS
RN   59729-33-8   REGISTRY
CN   5-Isobenzofurancarbonitrile, 1-[3-(dimethylamino)propyl]-1-(4-
      fluorophenyl)-1,3-dihydro- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   (.+-.)-Citalopram
CN   Citalopram
CN   Lu 10-171
CN   Nitalapram
FS   3D CONCORD
DR   128196-03-2, 103146-27-6
MF   C20 H21 F N2 O
CI   COM
LC   STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
      BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
      CHEMLIST, CIN, DDFU, DIOGENES, DRUGNL, DRUGPAT, DRUGU, DRUGUPDATES,
      EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, PHAR, PROMT,
      RTECS*, SYNTHLINE, TOXCENTER, TOXLIT, USAN, USPATFULL
         (*File contains numerically searchable property data)
      Other Sources: EINECS**, WHO
         (**Enter CHEMLIST File for up-to-date regulatory information)
```
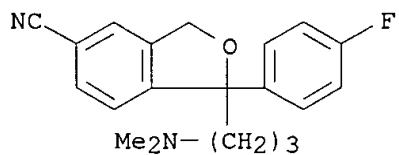


```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

        896 REFERENCES IN FILE CA (1967 TO DATE)
          5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
        903 REFERENCES IN FILE CAPLUS (1967 TO DATE)


=> s citalopram/cn
L5               1 CITALOPRAM/CN

=> d l5

L5    ANSWER 1 OF 1   REGISTRY   COPYRIGHT 2002 ACS
RN    59729-33-8   REGISTRY
CN    5-Isobenzofurancarbonitrile, 1-[3-(dimethylamino)propyl]-1-(4-
      fluorophenyl)-1,3-dihydro- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN    (.+-.)-Citalopram
CN    Citalopram
CN    Lu 10-171
CN    Nitalapram
FS    3D CONCORD
DR    128196-03-2, 103146-27-6
MF    C20 H21 F N2 O
CI    COM
LC    STN Files:   ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
      BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
      CHEMLIST, CIN, DDFU, DIOGENES, DRUGNL, DRUGPAT, DRUGU, DRUGUPDATES,
      EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, PHAR, PROMT,
      RTECS*, SYNTHLINE, TOXCENTER, TOXLIT, USAN, USPATFULL
         (*File contains numerically searchable property data)
      Other Sources:   EINECS**, WHO
         (**Enter CHEMLIST File for up-to-date regulatory information)
```

NC—⬡—CH₂
         |
         O
         |
     C—⬡—F
     |
Me₂N—(CH₂)₃

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

    896 REFERENCES IN FILE CA (1967 TO DATE)
      5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
    903 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                  ENTRY   SESSION
FULL ESTIMATED COST   29.18   29.33

STN INTERNATIONAL LOGOFF AT 06:53:35 ON 13 FEB 2002

```
Trying 3106016892...Open

Welcome to STN International!  Enter x:x
LOGINID:sssptaul25jdg
PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1           Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2  Sep 17   IMSworld Pharmaceutical Company Directory name change
                   to PHARMASEARCH
 NEWS  3  Oct 09   Korean abstracts now included in Derwent World Patents
                   Index
 NEWS  4  Oct 09   Number of Derwent World Patents Index updates increased
 NEWS  5  Oct 15   Calculated properties now in the REGISTRY/ZREGISTRY File
 NEWS  6  Oct 22   Over 1 million reactions added to CASREACT
 NEWS  7  Oct 22   DGENE GETSIM has been improved
 NEWS  8  Oct 29   AAASD no longer available
 NEWS  9  Nov 19   New Search Capabilities  USPATFULL and USPAT2
 NEWS 10  Nov 19   TOXCENTER(SM) - new toxicology file now available on STN
 NEWS 11  Nov 29   COPPERLIT now available on STN
 NEWS 12  Nov 29   DWPI revisions to NTIS and US Provisional Numbers
 NEWS 13  Nov 30   Files VETU and VETB to have open access
 NEWS 14  Dec 10   WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
 NEWS 15  Dec 10   DGENE BLAST Homology Search
 NEWS 16  Dec 17   WELDASEARCH now available on STN
 NEWS 17  Dec 17   STANDARDS now available on STN
 NEWS 18  Dec 17   New fields for DPCI
 NEWS 19  Dec 19   CAS Roles modified
 NEWS 20  Dec 19   1907-1946 data and page images added to CA and CAplus
 NEWS 21  Jan 25   BLAST(R) searching in REGISTRY available in STN on the Web
 NEWS 22  Jan 25   Searching with the P indicator for Preparations
 NEWS 23  Jan 29   FSTA has been reloaded and moves to weekly updates
 NEWS 24  Feb 01   DKILIT now produced by FIZ Karlsruhe and has a new update
                   frequency


 NEWS EXPRESS   February 1 CURRENT WINDOWS VERSION IS V6.0d,
                CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
                AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
 NEWS HOURS     STN Operating Hours Plus Help Desk Availability
 NEWS INTER     General Internet Information
 NEWS LOGIN     Welcome Banner and News Items
 NEWS PHONE     Direct Dial and Telecommunication Network Access to STN
 NEWS WWW       CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

  All use of STN is subject to the provisions of the STN Customer
  agreement.  Please note that this agreement limits use to scientific
  research.  Use for software development or design or implementation
  of commercial gateways or other similar uses is prohibited and may
  result in loss of user privileges and other penalties.

  * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 06:50:53 ON 13 FEB 2002

=> file reg
COST IN U.S. DOLLARS                           SINCE FILE      TOTAL
                                                 ENTRY        SESSION
FULL ESTIMATED COST                              0.15          0.15

FILE 'REGISTRY' ENTERED AT 06:51:02 ON 13 FEB 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
```

STRUCTURE FILE UPDATES: 11 FEB 2002   HIGHEST RN 391593-47-8
DICTIONARY FILE UPDATES: 11 FEB 2002   HIGHEST RN 391593-47-8

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

The P indicator for Preparations was not generated for all of the
CAS Registry Numbers that were added to the H/Z/CA/CAplus files between
12/27/01 and 1/23/02. Use of the P indicator in online and SDI searches
during this period, either directly appended to a CAS Registry Number
or by qualifying an L-number with /P, may have yielded incomplete results.
As of 1/23/02, the situation has been resolved. Also, note that searches
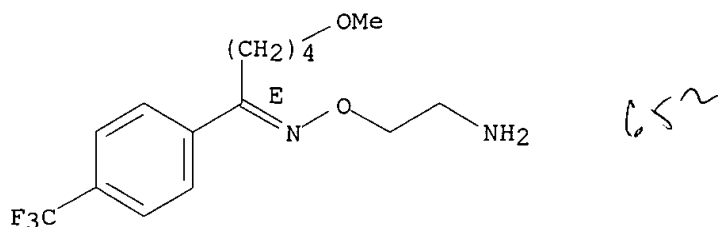conducted using the PREP role indicator were not affected.

Customers running searches and/or SDIs in the H/Z/CA/CAplus files
incorporating CAS Registry Numbers with the P indicator between 12/27/01
and 1/23/02, are encouraged to re-run these strategies. Contact the
CAS Help Desk at 1-800-848-6533 in North America or 1-614-447-3698,
worldwide, or send an e-mail to help@cas.org for further assistance or to
receive a credit for any duplicate searches.

=> s fluvoxamine/cn
L1   1 FLUVOXAMINE/CN

=> d l1

L1   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS
RN   54739-18-3 REGISTRY
CN   1-Pentanone, 5-methoxy-1-[4-(trifluoromethyl)phenyl]-,
      O-(2-aminoethyl)oxime, (1E)- (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   1-Pentanone, 5-methoxy-1-[4-(trifluoromethyl)phenyl]-,
      O-(2-aminoethyl)oxime, (E)-
OTHER NAMES:
CN   **Fluvoxamine**
FS   STEREOSEARCH
MF   C15 H21 F3 N2 O2
CI   COM
LC   STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
         BIOTECHNO, CA, CANCERLIT, CAPLUS, CBNB, CEN, CIN, DDFU, DIOGENES,
         DRUGNL, DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, IPA, MEDLINE, MRCK*, PHAR,
         PHARMASEARCH, PROMT, SPECINFO, SYNTHLINE, TOXCENTER, TOXLIT, USAN,
         USPATFULL
         (*File contains numerically searchable property data)
      Other Sources: WHO

Double bond geometry as shown.

(CH₂)₄ — OMe structure with E, N—O—CH₂CH₂—NH₂, phenyl ring with F₃C; 65~

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

```
         665 REFERENCES IN FILE CA (1967 TO DATE)
           8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
         672 REFERENCES IN FILE CAPLUS (1967 TO DATE)


=> s paroxetine/cn
L2               1 PAROXETINE/CN

=> d 12

L2   ANSWER 1 OF 1   REGISTRY   COPYRIGHT 2002 ACS
RN   61869-08-7   REGISTRY
CN   Piperidine, 3-[(1,3-benzodioxol-5-yloxy)methyl]-4-(4-fluorophenyl)-,
     (3S,4R)- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Piperidine, 3-[(1,3-benzodioxol-5-yloxy)methyl]-4-(4-fluorophenyl)-,
     (3S-trans)-
OTHER NAMES:
CN   (-)-Paroxetine
CN   (-)-trans-4-(4-Fluorophenyl)-3-(3,4-methylenedioxyphenoxymethyl)piperidine
CN   BRL 29060
CN   FG 7051
CN   Paroxetine
FS   STEREOSEARCH
DR   63952-24-9
MF   C19 H20 F N O3
CI   COM
LC   STN Files:  ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*,
       BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB,
       CEN, CHEMCATS, CIN, CSCHEM, DDFU, DIOGENES, DRUGNL, DRUGPAT, DRUGU,
       DRUGUPDATES, EMBASE, IPA, MEDLINE, MRCK*, NIOSHTIC, PHAR, PROMT, RTECS*,
       SYNTHLINE, TOXCENTER, TOXLIT, ULIDAT, USAN, USPATFULL
         (*File contains numerically searchable property data)
       Other Sources:  WHO
```
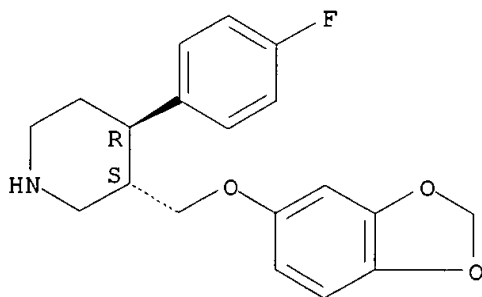
Absolute stereochemistry. Rotation (-).

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

```
=> s sertraline/cn
L3              1 SERTRALINE/CN

=> d 13

L3    ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2002 ACS
RN    79617-96-2  REGISTRY
CN    1-Naphthalenamine, 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl-,
      (1S,4S)- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN    1-Naphthalenamine, 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl-,
      (1S-cis)-
OTHER NAMES:
CN    (+)-Sertraline
CN    CP 51974
CN    Sertraline
FS    STEREOSEARCH
MF    C17 H17 Cl2 N
CI    COM
LC    STN Files:  ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*,
         BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB,
         CEN, CHEMCATS, CHEMINFORMRX, CIN, DDFU, DIOGENES, DRUGNL, DRUGPAT,
         DRUGU, DRUGUPDATES, EMBASE, IPA, MEDLINE, MRCK*, NIOSHTIC, PHAR,
         PHARMASEARCH, PROMT, RTECS*, SYNTHLINE, TOXCENTER, TOXLIT, USAN,
         USPATFULL
            (*File contains numerically searchable property data)
         Other Sources:  WHO

Absolute stereochemistry.  Rotation (+).
```
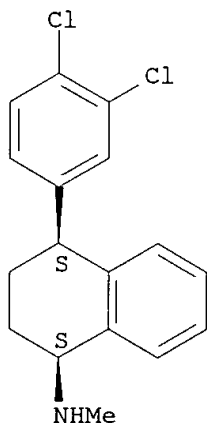


```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**
```

```
=> s citalopram/cn
L4              1 CITALOPRAM/CN

=> d 14
```

STRUCTURE FILE UPDATES: 17 NOV 2001 HIGHEST RN 370839-11-5
DICTIONARY FILE UPDATES: 17 NOV 2001 HIGHEST RN 370839-11-5

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

   Please note that search-term pricing does apply when
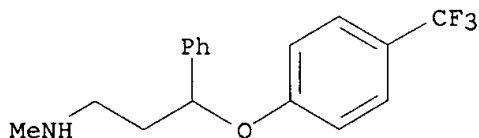   conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> s fluoxetine/cn
L1   1 FLUOXETINE/CN

=> d l1

L1   ANSWER 1 OF 1 REGISTRY COPYRIGHT 2001 ACS
RN   54910-89-3 REGISTRY
CN   Benzenepropanamine, N-methyl-.gamma.-[4-(trifluoromethyl)phenoxy]- (9CI)
     (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Benzenepropanamine, N-methyl-.gamma.-[4-(trifluoromethyl)phenoxy]-,
     (.+-.)-
OTHER NAMES:
CN   (.+-.)-Fluoxetine
CN   (.+-.)-N-Methyl-3-phenyl-3-[4-(trifluoromethyl)phenoxy]propylamine
CN   3-(p-Trifluoromethylphenoxy)-N-methyl-3-phenylpropylamine
CN   Deprex
CN   dl-3-(p-Trifluoromethylphenoxy)-N-methyl-3-phenylpropylamine
CN   **Fluoxetine**
CN   Fluval
DR   57226-07-0, 52341-67-0
MF   C17 H18 F3 N O
CI   COM
LC   STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*,
     BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT,
     CBNB, CEN, CHEMCATS, CHEMINFORMRX, CIN, CSCHEM, CSNB, DDFU, DIOGENES,
     DRUGNL, DRUGPAT, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA,
     MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PHAR, PHARMASEARCH, PROMT, RTECS*,
     SPECINFO, SYNTHLINE, TOXLIT, USAN, USPATFULL, VETU
        (*File contains numerically searchable property data)
     Other Sources: WHO
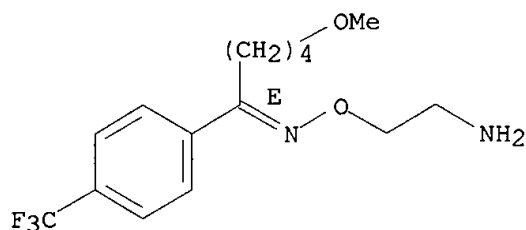

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

          1995 REFERENCES IN FILE CA (1967 TO DATE)
            22 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
          2003 REFERENCES IN FILE CAPLUS (1967 TO DATE)

```
=> s fluvoxamine/cn
L2               1 FLUVOXAMINE/CN

=> d l2

L2    ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2001 ACS
RN    54739-18-3  REGISTRY
CN    1-Pentanone, 5-methoxy-1-[4-(trifluoromethyl)phenyl]-,
      O-(2-aminoethyl)oxime, (1E)- (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN    1-Pentanone, 5-methoxy-1-[4-(trifluoromethyl)phenyl]-,
      O-(2-aminoethyl)oxime, (E)-
OTHER NAMES:
CN    Fluvoxamine
FS    STEREOSEARCH
MF    C15 H21 F3 N2 O2
CI    COM
LC    STN Files:  ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
         BIOTECHNO, CA, CANCERLIT, CAPLUS, CBNB, CEN, CIN, DDFU, DIOGENES,
         DRUGNL, DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, IPA, MEDLINE, MRCK*, PHAR,
         PHARMASEARCH, PROMT, SPECINFO, SYNTHLINE, TOXLIT, USAN, USPATFULL
            (*File contains numerically searchable property data)
      Other Sources:   WHO

Double bond geometry as shown.
```



```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

         632 REFERENCES IN FILE CA (1967 TO DATE)
           7 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
         634 REFERENCES IN FILE CAPLUS (1967 TO DATE)


=> s paroxetine/cn
L3               1 PAROXETINE/CN

=> d l3

L3    ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2001 ACS
RN    61869-08-7  REGISTRY
CN    Piperidine, 3-[(1,3-benzodioxol-5-yloxy)methyl]-4-(4-fluorophenyl)-,
      (3S,4R)- (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN    Piperidine, 3-[(1,3-benzodioxol-5-yloxy)methyl]-4-(4-fluorophenyl)-,
      (3S-trans)-
OTHER NAMES:
CN    (-)-trans-4-(4-Fluorophenyl)-3-(3,4-methylenedioxyphenoxymethyl)piperidine
CN    BRL 29060
CN    FG 7051
CN    Paroxetine
FS    STEREOSEARCH
DR    63952-24-9
MF    C19 H20 F N O3
CI    COM
LC    STN Files:   ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*,
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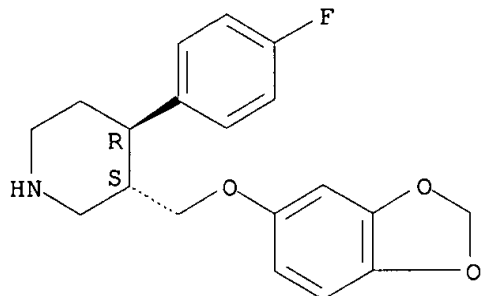
BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB,
CEN, CHEMCATS, CIN, CSCHEM, DDFU, DIOGENES, DRUGNL, DRUGPAT, DRUGU,
DRUGUPDATES, EMBASE, IPA, MEDLINE, MRCK*, NIOSHTIC, PHAR, PROMT, RTECS*,
SYNTHLINE, TOXLIT, ULIDAT, USAN, USPATFULL
    (*File contains numerically searchable property data)
  Other Sources: WHO

Absolute stereochemistry. Rotation (-).

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

        933 REFERENCES IN FILE CA (1967 TO DATE)
         20 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
        940 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> s sertraline/cn
L4   1 SERTRALINE/CN

=> d l4

L4   ANSWER 1 OF 1   REGISTRY   COPYRIGHT 2001 ACS
RN   79617-96-2   REGISTRY
CN   1-Naphthalenamine, 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl-,
     (1S,4S)- (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   1-Naphthalenamine, 4-(3,4-dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl-,
     (1S-cis)-
OTHER NAMES:
CN   (+)-Sertraline
CN   CP 51974
CN   **Sertraline**
FS   STEREOSEARCH
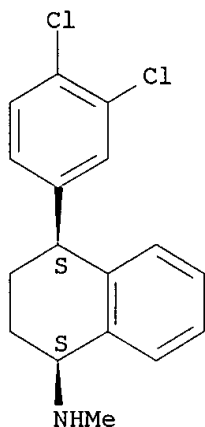MF   C17 H17 Cl2 N
CI   COM
LC   STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*,
     BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB,
     CEN, CHEMCATS, CHEMINFORMRX, CIN, DDFU, DIOGENES, DRUGNL, DRUGPAT,
     DRUGU, DRUGUPDATES, EMBASE, IPA, MEDLINE, MRCK*, NIOSHTIC, PHAR,
     PHARMASEARCH, PROMT, RTECS*, SYNTHLINE, TOXLIT, USAN, USPATFULL
       (*File contains numerically searchable property data)
     Other Sources: WHO

Absolute stereochemistry. Rotation (+).

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

          625 REFERENCES IN FILE CA (1967 TO DATE)
            2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
          629 REFERENCES IN FILE CAPLUS (1967 TO DATE)
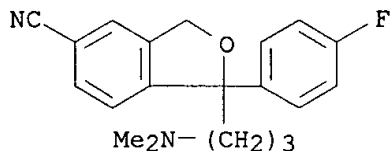

=> s citalopram/cn
L5   1 CITALOPRAM/CN

=> d l5

L5   ANSWER 1 OF 1   REGISTRY   COPYRIGHT 2001 ACS
RN   59729-33-8   REGISTRY
CN   5-Isobenzofurancarbonitrile, 1-[3-(dimethylamino)propyl]-1-(4-
      fluorophenyl)-1,3-dihydro- (9CI)   (CA INDEX NAME)
OTHER NAMES:
CN   (.+-.)-Citalopram
CN   **Citalopram**
CN   Lu 10-171
CN   Nitalapram
FS   3D CONCORD
DR   128196-03-2, 103146-27-6
MF   C20 H21 F N2 O
CI   COM
LC   STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
         BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
         CHEMLIST, CIN, DDFU, DIOGENES, DRUGNL, DRUGPAT, DRUGU, DRUGUPDATES,
         EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, PHAR, PROMT,
         RTECS*, SYNTHLINE, TOXCENTER, TOXLIT, USAN, USPATFULL
           (*File contains numerically searchable property data)
      Other Sources: EINECS**, WHO
           (**Enter CHEMLIST File for up-to-date regulatory information)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

          864 REFERENCES IN FILE CA (1967 TO DATE)
            5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
          871 REFERENCES IN FILE CAPLUS (1967 TO DATE)